

NB8 -63H

1. GENERAL

1.1 Function

protection of circuits against short-circuit currents, protection of circuits against overload currents, switch, isolation.

NB8 -63H circuit-breakers are used in domestic installation, as well as in commercial and industry electrical distribution systems.

1.2 Selection

Technical data of the network at the point considered: short-circuit current at the circuit-breaker installation point, which must always be less than the breaking capacity of this device, network normal voltage. Tripping curves:

B curve (3-5In) protection for people and big length cables in TN and IT systems.

C curve (5-10In) protection for resistive and inductive loads with low inrush current.

D curve(10-16In)

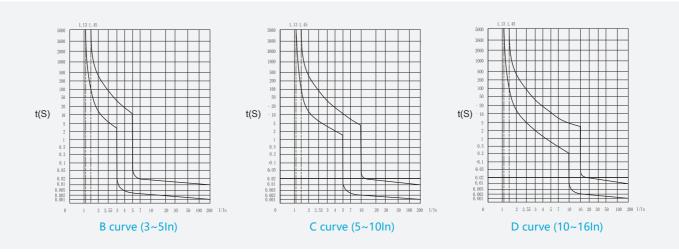
protection for circuits which supply loads with high inrush current at the circuit closing (LV/LV transformers, breakdown lamps).

1.3 Certificates

CE

2. TECHNICAL DATA

| Standard | | | IEC 60898-1 |
|--|---------------------------------------|-----------------|--|
| Rated current In | | А | 1、2、3、4、6、10、16、20、25、32、40、50、63 |
| Rated voltage Ue | | V | 230 / 400 |
| Rated frequency | | Hz | 50 |
| Poles | | | 1P, 1P+N, 2P, 3P, 3P+N, 4P |
| Thermo-magnetic release characteristic | | | B(3-5In), C(5-10In), D(10-16In), |
| Mechanical life | | | 20,000 |
| Electrical life | | | 10,000 |
| Rated breaking capacity | | А | 10,000 |
| Insulation voltage Ui | | V | 500 |
| Rated impulse withstand voltage (1.2/50) Uimp | | KV | 6 |
| Installation | Terminal connection type | | Cable/ U-type/Pin-type busbar |
| | Terminal size top / bottom for busbar | mm ² | 25 |
| | | AWG | 18-4 |
| | Terminal size top / bottom for cable | mm ² | 10 |
| | | AWG | 18-8 |
| | Tightening torque | N·m | 2.0 |
| | | In-Ibs. | 22 |
| | Mounting | | On DIN rail EN 60715 (35mm) by means of fast clip device |
| | Connection | | From top and bottom |
| Reference temperature for setting of thermal element | | °C | 30 |
| Ambient temperature (with daily average≤35℃) | | °C | -35+70 |
| Storage temperature | | °C | -35+70 |
| Protection degree | | | IP20 |
| Pollution degree | | | 3 |
| Combination with accessories | | | S9, V9, XF9, XF9J, OVT-1, OUVT-1 |



NB8 -63H | Miniature Circuit Breaker

3. OVERALL AND MOUNTING DIMENSIONS (MM)

